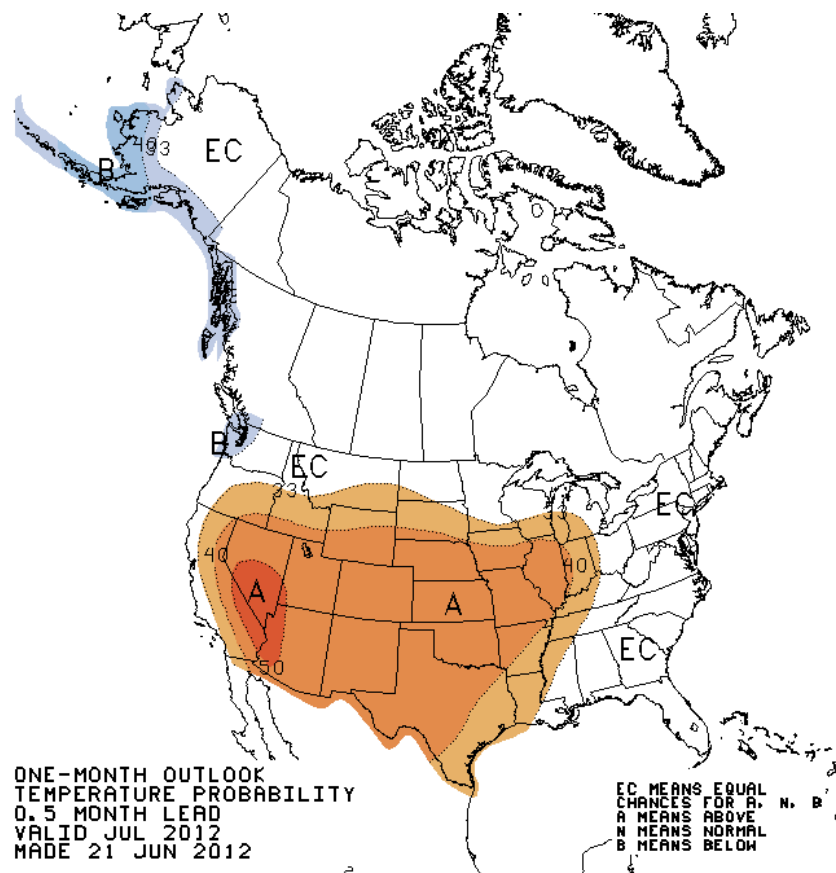


# North Central United States July & July-August-September 2012 Climate Prediction Center (CPC) Climate Outlook and Summary

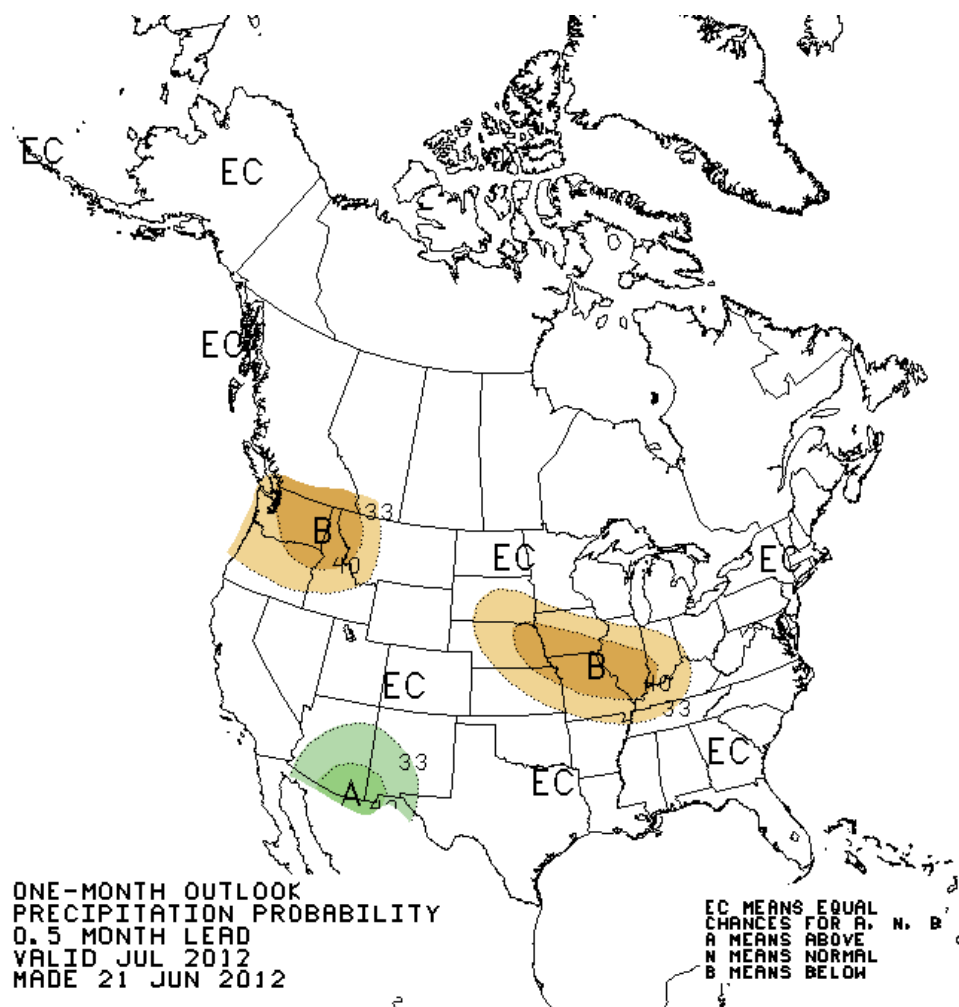
## July Temperature Outlook:

Much of the North Central United States has a higher than usual chance of above-normal temperatures for July. The better chance of warmer than normal temperatures will exist through far southern South Dakota, Nebraska, and southern Iowa, with a 40% to 50% chance of temperatures above-normal relative climatology (as well as a 33% chance of near-normal temperatures and a 17% to 27% of below-normal temperatures). Surrounding this area, from extreme southwestern North Dakota southward through northern South Dakota, extreme southwestern Minnesota into northern Iowa, there is a 33% to 40% chance of temperatures above-normal (and a 33% chance of near-normal, and a 27% to 33% chance of below-normal temperatures relative to climatology). For the remainder of the North Central U.S., there are indeterminate chances for above-normal, near-normal, and below-normal temperatures for the month.



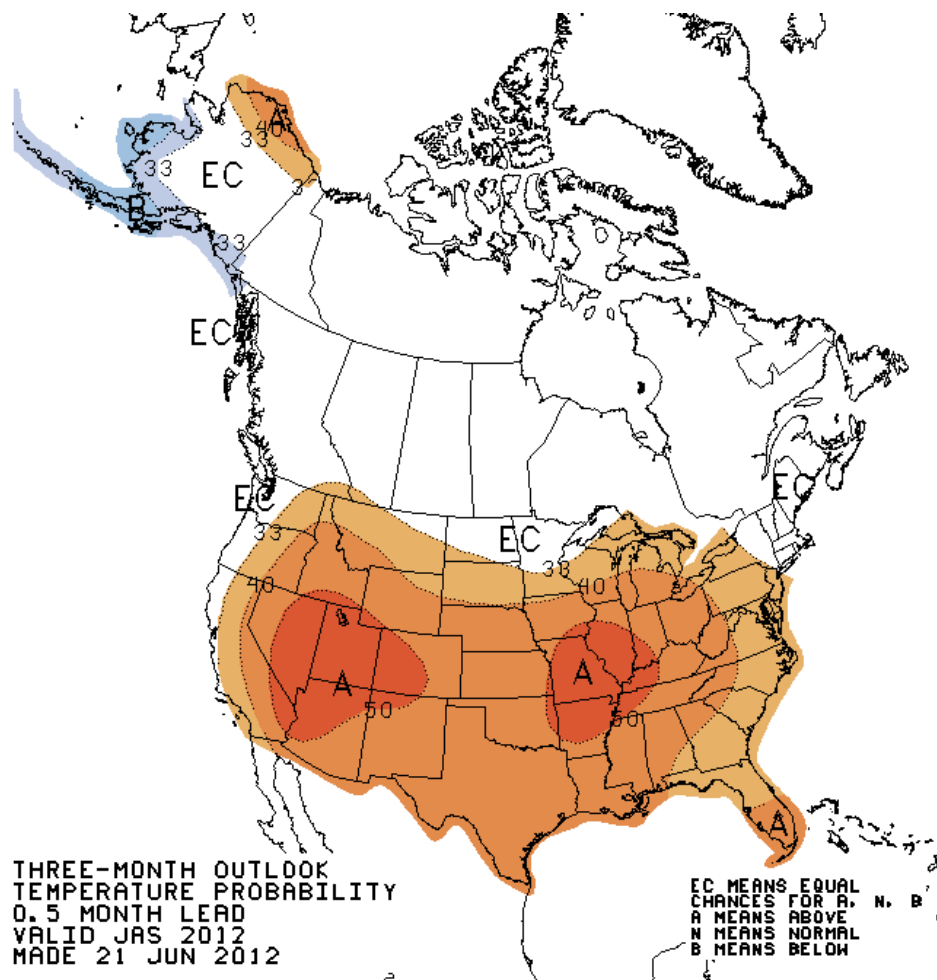
## July Precipitation Outlook:

For the month of July much of the North Central U.S. will have equal chances of any of the three categories; i.e. a 33% chance of above-normal precipitation, a 33% chance of near-normal precipitation, and a 33% chance of below-normal precipitation. However, a chance for drier than normal conditions will be found over eastern Nebraska into southern Iowa, with a 40% to 50% chance of below-normal precipitation relative to climatology (and a 33% chance of near-normal precipitation, and a 17% to 27% chance of precipitation of wetter than normal conditions). In addition to that area, southeastern South Dakota, central Nebraska, and northern Iowa will have a 33% to 40% chance of drier than normal conditions (as well as a 33% chance of near-normal precipitation and a 27% to 33% chance of above-normal precipitation for the period).



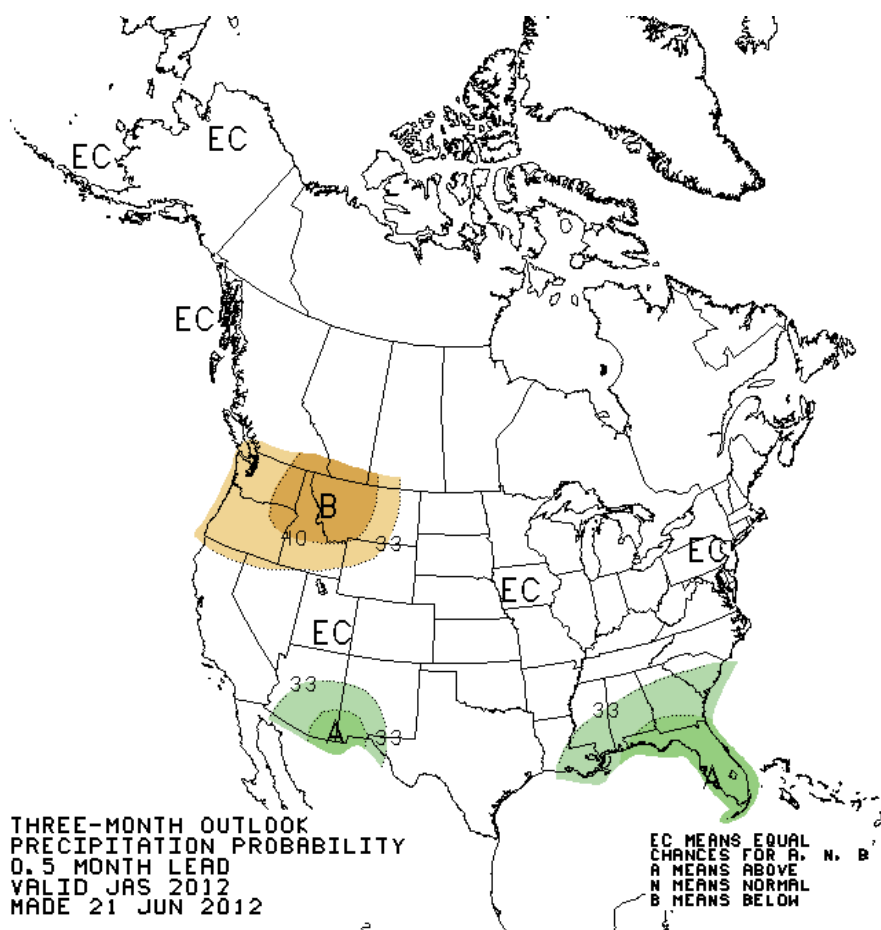
## July - September Temperature Outlook:

While most of North Dakota and northern Minnesota will have indeterminate chances for above-normal, near-normal and below-normal temperatures for July through September, the remainder of the region is expected to be warmer than normal. The best chance of above-normal temperatures relative to climatology will occur over extreme southeastern Iowa, where there will be a 50% to 60% chance of above-normal temperatures for July through September (with a 33% chance of near-normal temperatures, and a 7% to 17% chance of below-normal temperatures). To the north and west of this area, there is a 40% to 50% chance of above-normal temperatures for the period over Nebraska and the remainder of Iowa (with a 33% chance of near-normal temperatures, and a 17% to 27% chance of below-normal temperatures relative to climatology). Surrounding this area, there is a 33% to 40% chance of above-normal temperatures for the mid-summer to early autumn months over extreme southwestern North Dakota, South Dakota, and southern Minnesota (with a 33% chance of temperatures near-normal and a 27% to 33% of temperatures below-normal).



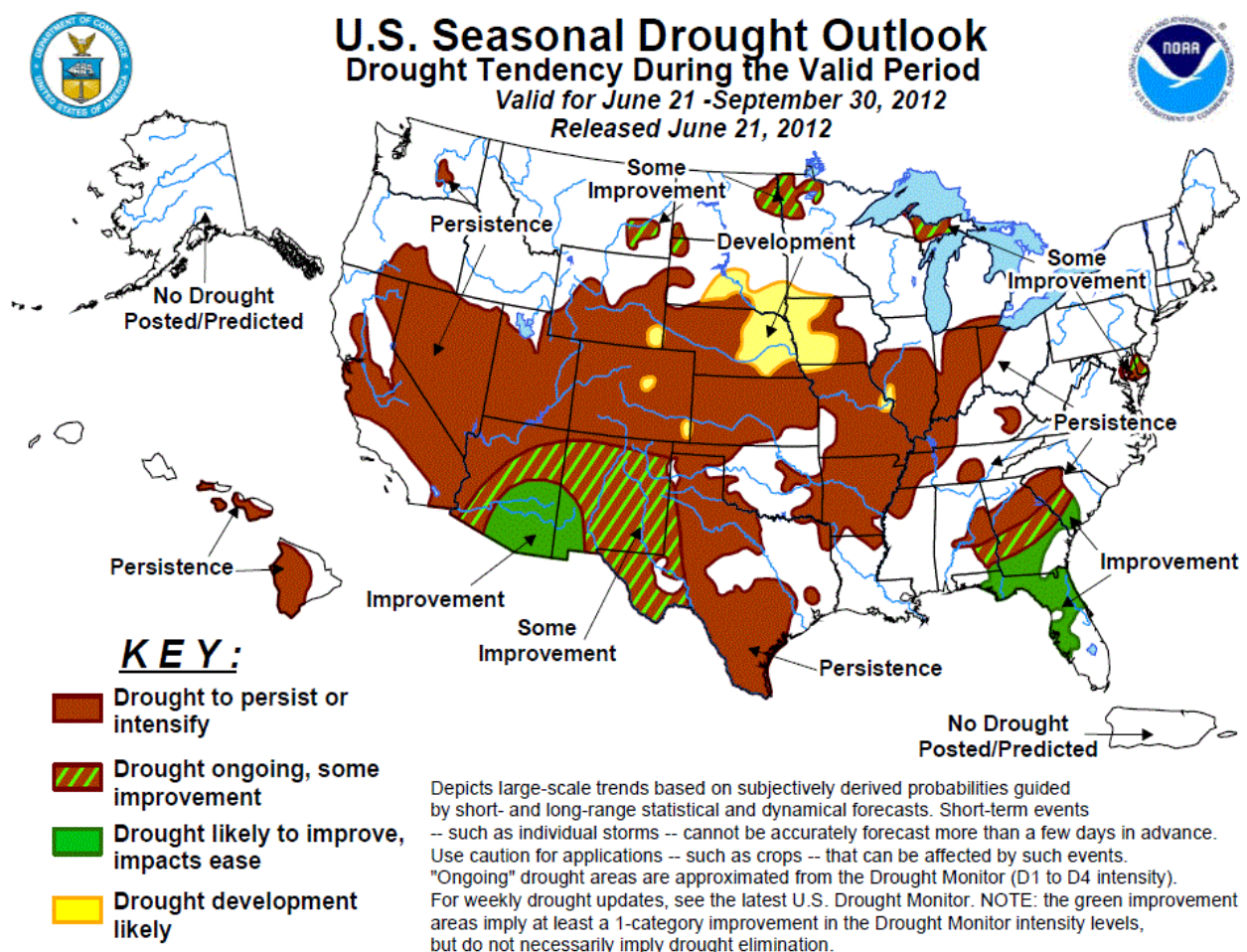
## July – September Precipitation Outlook:

The North Central United States will have equal chances of above-normal (33%), near-normal (33%), or below-normal (33%) precipitation for July through September, with no strong climate signal preferring one category over another.



## Seasonal Drought Outlook

The most recent Seasonal Drought Outlook indicates some improvement in drought conditions over portions of North Dakota and northwest Minnesota. At the same time, drought conditions are expected to develop across portions of southern South Dakota, eastern Nebraska, and western Iowa. Drought is expected to persist over remaining portions of southern South Dakota, western Nebraska, and central Iowa for the period.

































# Seasonal Outlook Interpretation Guide

The outlooks indicate probability of being in three specific categories in reference to the 30-year climatology from 1981-2010:

Temperature		Precipitation	
Social Science	Climate Science	Social Science	Climate Science
Uncommonly Cold	Below Normal Tercile	Uncommonly Wet	Above Normal Tercile
Uncommonly Warm	Above Normal Tercile	Uncommonly Dry	Below Normal Tercile
Moderate (Neither Warm Nor Cold)	Normal Tercile	Moderate (Neither Wet nor Dry)	Normal Tercile

The National Weather Service Seasonal Climate Outlooks predict the probability of conditions being among the warmest/coldest or wettest/driest terciles of years compared to the period of 1981-2010:

Precip	Temp	Probability of Occurrence			Most likely category
		Above	Near	Below	
		80.0%-90.0%	16.7%-06.7%	03.3%	"Above"
		70.0%-80.0%	26.7%-16.7%	03.3%	"Above"
		60.0%-70.0%	33.3%-26.7%	06.7%-03.3%	"Above"
		50.0%-60.0%	33.3%	16.7%-06.7%	"Above"
		40.0%-50.0%	33.3%	26.7%-16.7%	"Above"
		33.3%-40.0%	33.3%	33.3%-26.7%	"Above"
		33.3%-30.0%	33.3%-40.0%	33.3%-30.0%	"Near Normal"
		30.0%-25.0%	40.0%-50.0%	30.0%-25.0%	"Near Normal"
		33.3%-26.7%	33.3%	33.3%-40.0%	"Below"
		26.7%-16.7%	33.3%	40.0%-50.0%	"Below"
		16.7%-06.7%	33.3%	50.0%-60.0%	"Below"
		06.7%-03.3%	33.3%-26.7%	60.0%-70.0%	"Below"
		03.3%	26.7%-16.7%	70.0%-80.0%	"Below"
		03.3%	16.7%-06.7%	80.0%-90.0%	"Below"
		33.3%	33.3%	33.3%	"Equal Chances"

